PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| | |

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| Chang-Dong YOO | 09/13/2008 |
| Sun-II LEE | 09/29/2008 |

RECEIVING PARTY DATA

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| State/Country: | REPUBLIC OF KOREA | |
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PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 12244453 |

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NAME OF SUBMITTER: Sunhee Lee

Total Attachments: 1

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PATENT REEL: 022145 FRAME: 0994

| Docket No. | |
|------------|------------|
| For Non-U. | S. Clients |

Assignment Whereas, I/We, Chang-Dong, Yoo of 1107-202, Rishivill Apt. Noeun-dong Yuseong-gu Daejeon 305-325 Korea and Sun-II, LEE of 103-507 Suji 4-cha Samsung Apt. 663-1, Pungdeokcheon 1-dong Suji-gu, Yongin-si Gyeonggi-do 448-717 Korea hereinafter called assignor(s), have invented certain improvements in METHOD FOR REVERSIBLE IMAGE WATERMARKING BASED ON INTEGER-TO-INTEGER WAVELET TRANSFORM and executed an application for Letters Patent of the United States of America therefor on ; an Whereas, KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY of 373-1, Kusong-dong, Yusong-gu, Taejon 305-701 Republic of Korea. (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor; Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee. I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses _____ and Confirmation number ____, filed __) the application number and filing date of said application when known.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

RECORDED: 01/16/2009

PATENT REEL: 022145 FRAME: 0995